

In the Claims

1-11. (Cancelled)

12. (Currently Amended) A multilayer tube comprising at least three layers including:

a layer (a) comprising (A) polyamide 11 and/or polyamide 12,

a layer (b) consisting of (B) a semi-aromatic polyamide or a combination of a semi-aromatic polyamide and ~~optionally~~ an additive selected from the group consisting of an antioxidant, a heat stabilizer, an ultraviolet absorbent, a light stabilizer, a lubricant, an inorganic filler, an antistatic agent, a flame retardant, a crystallization accelerator, a plasticizer, a colorant, a lubricating agent and an impact resistance improver, said semi-aromatic polyamide (B) comprising a dicarboxylic acid unit containing a terephthalic acid and/or naphthalenedicarboxylic acid unit in a proportion of about 50 mol% or more based on all dicarboxylic acid units, and a diamine unit containing a 1,9-nonane-diamine and/or 2-methy-1,8-octanediamine unit in a proportion of about 60 mol% or more based on all diamine units and

a layer (c) comprising (C) a fluorine-containing polymer having introduced into the molecular chain thereof at least one functional group selected from the group consisting of a carboxy group, an acid anhydride group, a carboxylate group, an alkoxycarbonyl group, a hydroxyl group, a sulfo group, a sulfonate group, an epoxy group, a cyano group, a carbonate group and a carboxylic acid halide group, as said functional group having reactivity with the polyamide-based resin, and

wherein said layer (b) comprising (B) the semi-aromatic polyamide is disposed between said layer (a) comprising (A) polyamide 11 and/or polyamide 12 and said layer (c) comprising (C) a fluorine-containing polymer.

13. (Previously Presented) The multilayer tube as claimed in claim 12, wherein said layer (a) comprising (A) polyamide 11 and/or polyamide 12 is disposed as an outermost layer.

14-16. (Cancelled)

17. (Previously Presented) The multilayer tube as claimed in claim 12, wherein said (C) fluorine-containing polymer having introduced into the molecular chain thereof a functional group having reactivity with a polyamide-based resin is based on at least one fluorine-containing polymer selected from the group consisting of an ethylene/tetrafluoroethylene copolymer, a polyvinylidene fluoride, and a tetrafluoroethylene/hexafluoropropylene/vinylidene fluoride copolymer.

18. (Cancelled)

19. (Previously Presented) The multilayer tube as claimed in claim 12, wherein an electrically conducting layer comprising a fluorine-containing polymer composition having incorporated therein an electrically conducting filler is disposed as an innermost layer in the multilayer tube.

20. (Cancelled)

21. (Previously Presented) The multilayer tube as claimed in claim 12, which is a fuel tube.

22. (Previously Presented) A multilayer tube comprising at least four layers including:

a layer (a) comprising (A) polyamide 11 and/or polyamide 12,

a layer (b) comprising (B) a semi-aromatic polyamide comprising a dicarboxylic acid unit containing a terephthalic acid and/or naphthalene-dicarboxylic acid unit in a proportion of about 50 mol% or more based on all dicarboxylic acid units, and a diamine unit containing a 1,9-nonanediamine and/or 2-methy-1,8-octanediamine unit in a proportion of about 60 mol% or more based on all diamine units,

a layer (c) comprising (C) a fluorine-containing polymer having introduced into the molecular chain thereof a functional group having reactivity with a polyamide-based resin, and

a layer (d) consisting of (D) a terminal modified polyamide and optionally an additive selected from the group consisting of an antioxidant, a heat stabilizer, an ultraviolet absorbent, a light stabilizer, a lubricant, an inorganic filler, an antistatic agent, a flame retardant, a crystallization accelerator and an impact resistance improver, said terminal modified polyamide satisfying $[A] > [B] + 5$, wherein [A] is the terminal amino group concentration ($\mu\text{eq/g-polymer}$) of the polyamide and [B] is the terminal carboxyl group concentration ($\mu\text{eq/g-polymer}$) of the polyamide,

wherein said layer (b) comprising (B) the semi-aromatic polyamide is disposed between said layer (a) comprising (A) polyamide 11 and/or polyamide 12 and said layer (c) comprising (C) the fluorine-containing polymer, and said layer (d) comprising (D) the terminal modified polyamide is disposed between said layer (b) comprising (B) the semi-aromatic polyamide and said layer (c) comprising (C) the fluorine-containing polymer, and

wherein each of said layers (a), (b), (c) and (d) is a coextrusion molded article.

23. (Previously Presented) The multilayer tube as claimed in claim 22, wherein said layer (a) comprising (A) polyamide 11 and/or polyamide 12 is disposed as an outermost layer.

24-26. (Cancelled)

27. (Previously Presented) The multilayer tube as claimed in claim 22, wherein said (C) fluorine-containing polymer having introduced into the molecular chain thereof a functional group

having reactivity with a polyamide-based resin is based on at least one fluorine-containing polymer selected from the group consisting of an ethylene/tetrafluoroethylene copolymer, a polyvinylidene fluoride, and a tetrafluoroethylene/hexafluoropropylene/vinylidene fluoride copolymer.

28. (Previously Presented) The multilayer tube as claimed in claim 22, wherein said (D) terminal modified polyamide is a polyamide produced by adding a diamine at the polymerization.

29. (Previously Presented) The multilayer tube as claimed in claim 22, wherein an electrically conducting layer comprising a fluorine-containing polymer composition having incorporated therein an electrically conducting filler is disposed as an innermost layer in the multilayer tube.

30. (Cancelled)

31. (Previously Presented) The multilayer tube as claimed in claim 22, which is a fuel tube.

32. (Cancelled)

33. (Previously Presented) The multilayer tube according to claim 12, wherein said fluorine-containing polymer has an acid anhydride group as said functional group having reactivity with a polyamide-based resin.

34. (Previously Presented) The multilayer tube according to claim 22, wherein said fluorine-containing polymer has at least one functional group selected from the group consisting of a carboxyl group, an acid anhydride group, a carboxylate group, an alkoxycarbonyl group, a hydroxyl group, a sulfo group, a sulfonate group, an epoxy group, a cyano group, a carbonate group and a carboxylic acid halide group, as said functional group having reactivity with the polyamide-based resin.

35. (Previously Presented) The multilayer tube according to claim 22, wherein said fluorine-containing polymer has an acid anhydride group as said functional group having reactivity with a polyamide-based resin.

36. (Previously Presented) The multilayer tube according to claim 12, wherein said functional group of said layer (c) is itaconic acid anhydride.

37. (Previously Presented) The multilayer tube according to claim 22, wherein said functional group of layer (c) is itaconic acid anhydride.